

- Very light, ideal for high dynamics Large inner height and therefore cost-effective

  - Cables are protected from swarf
- Easy to fill, lids openable along the inner or outer radius, from both sides Low noise operation due to integrated brake Integrated separator, recommended for side-mounted applications

### When to use another e-tube:

Extremely swarf-resistant according to IP40

- For higher fill weights and unsupported lengths RX e-tubes, page 516
  - R4.1L e-tubes, page 538





**HENNLICH** -ŽIJEME TECHNIKOU

o.z. LIN-TECH HENNLICH s.r.o. Českolipská 9, 412 01 Litoměřice

Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz

luction | Advantages

LIN-TECH





Page	's n	450	454	458	Si II
Unsupported length ≤ [m]	- og the inner rad	2.00	2.75	2.75	- na the outer rac
Bend radius <i>R</i> [mm]	<b>R2i.1 e-tubes -</b> lids openable along the inner radius, from both sides	060 - 250	080 - 250	100 - 300	R2.1 e-tubes - lids openable along the outer radius.
Outer height ha [mm]		36	54	64	9 5
Outer width Ba [mm]		41 - 91	66.2 - 191.2	135 - 270	
Inner width Bi [mm]		25 - 75	50 - 175	115 - 250	
Inner height <i>hi</i> [mm]		26	40	48	
Series	-0	R2i.26	R2i.40	R2i.48	

ght of 26, 40, 48 or 75mm. Openable and novable lids along inner or outer radius, anable from both sides. Very sealed design strong double stop-dogs for high fill arge inner height and therefore cost-

ights and unsupported lengths.

Easy to fill, lids openable along the inner or

outer radius, from both sides

Cables are protected from swarf

effective

st-effective, robust e-tubes with an inner

- R2-1

penable

K	E.		R	91-0	from both sides	
R2.26	26	50 - 75	66 - 91	36	250	
R2.40	40	75 - 175	91.2 - 191.2	54	080 - 250 2.75	75 <b>454</b>
R2.48**	48	**	**	64	300	
R2.75	75	111 - 200	135 - 224	06	<b>130 - 250</b> 3.C	

consult igus® for de request. Ple tble upon

Available from stock. Ready to ship in 48 - 72hrs.\*

\*Average time before the ordered goods are dispatched.



deal for areas with swarf - R2.1 e-tubes are extremely tightly sealed

GUS 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/R2.1

www.hennlich.cz/lin-tech



gainst dust

**'rotection** 

nd dirt ingress

nd quickly

o.z. LIN-TECH HENNLICH s.r.o. Českolipská 9, 412 01 Litoměřice

ow noise operation due to integrated brake integrated separator, recommended for side-mounted applications

Aachine tools ● Wood processing machines gineering 

In all areas with dirt and swarf

pical industries and applications

swarf up to +850°C available upon request

Electrically conductive ESD e-tubes

upon request

UL94-V0 classificatior

upon request

e-tubes with igumid HT material for hot

K

Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz

<mark>Idot</mark> design award

SUD

u/R2.1





HENNLICH -



ŽIJEME TECHNIKOU





t of the Lean separators enable extremely fast cable filling in several layers

o.z. LIN-TECH HENNLICH s.r.o.

Českolipská 9, 412 01 Litoměřice



	$F_{L_0} =$ unsupported with straight upper run $F_{L_0} =$ unsupported with permitted sag 1) Gliding applications for long travels are available upon request, please consult igus <sup>6</sup> .
VDE 0304 IIC UL94-HB	🛞 Flammability class, igumid G
-40°C / +120°C	Material - permitted temperature °C, igumid G
≤ 3 [m/s] / ≤ 6 [m/s²]	<b>, Fla</b>   Speed <b>FL</b> <sub>B</sub> / acceleration <b>FL</b> <sub>B</sub>
≤ 10 [m/s] / ≤ 100 [m/s²]	Speed FL <sub>6</sub> / acceleration FL <sub>6</sub>
upon request	Speed gliding <sup>1</sup> / acceleration gliding <sup>1</sup> )

## Installation types, maximum travels

Series				Side mounted
	Unsupported	hanging	standing	unsupported
R2.26 / R2i.26	≤ 4.0m	≤ 30m	≤ 2.0m	≤ 0.7m
R2.40 / R2i.40	≤ 5.5m	≤ 40m	≤ 3.0m	≤ 1.0m
R2.48 / R2i.48	≤ 5.5m	≤ 50m	≤ 3.0m	≤ 1.0m
R2.75	≤ 6.0m	≤ 50m	≤ 5.0m	≤ 2.0m

**Telefon:** +420 416 711 333 **E-mail:** lin-tech@hennlich.cz

www.hennlich.cz/lin-tech

Gus

OUS 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/R2.1



ESD - electrically conductive material

- no burning-it swarf '50°C

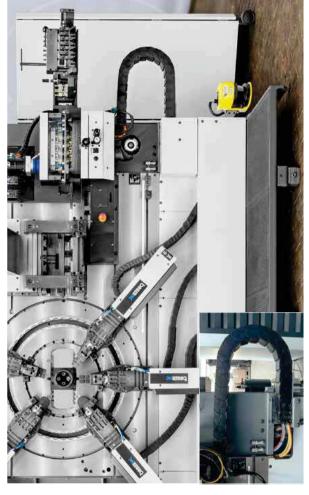
**HENNLICH** -

s R2.75

gumid ESD Part No.

ŽIJEME TECHNIKOU

R2.1 e-tube | Application example



R2.75.111.R.0.ESD

11.R.O.HT

Delivery time upon request

to ship seks\*

gus® R2.1 e-tube in operation in a fast stamping and bending machine to guide servo and encoder cables

xamples based on series R2.75

o.z. LIN-TECH HENNLICH s.r.o.

Českolipská 9, 412 01 Litoměřice

s: 1.0m or 17 links R2.75.111.130.0 R2.750.111.12 2 x 75.1.1 75.1.1	aration:	
	<pre>(s: 1.0m or 17 links)</pre>	R2.75.111.130.0
		R2.750.111.12
75.1.1		2 x 75.1.1
	75.1.1	

suc	Colour	Orange	Yellow	Light grey		48 - 72hrs.*	Jest.
colour options		o.	.31	-	.1S	ady to ship in	ours upon request
color	sr index	nd	Icdour	lodour	Icdour	ady to	au s'uc
	Т	el	ef	on	1: -	+4	20 416 711 333

E-mail: lin-tech@hennlich.cz

4 Ņ 4

Special colour

Special colour Special colour

Order index



OUS 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/R2.1



LIN-TECH

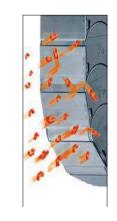




1.5-1.0-0.5-

ler radius, from both sides ter radius, from both sides

and radii	R2i.26	R2.26
	[kg/m]	[kg/m]
0 125 150 175 200 250	≈ 0.870	≈ 0.870
0 125 150 175 200 250	≈ 0.957	≈ 0.957
0 125 150 175 200 250	≈ 1.044	≈ 1.044
0 125 150 175 200 250	≈ 1.218	≈1.218
0 125 150 175 200 250	≈ 1.392 ≈ 1.392	≈ 1.392
0 125 150 175 200 250	≈ 1.600	≈ 1.600



**HENNLICH** -ŽIJEME TECHNIKOU

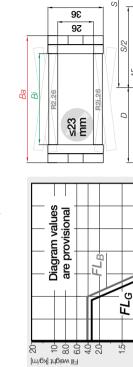
o.z. LIN-TECH HENNLICH s.r.o. Českolipská 9, 412 01 Litoměřice

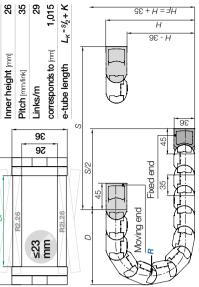
Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz

www.hennlich.cz/lin-tech



R2i.26 R2.26





HE = H + 32

۹.	090	075	100	125	150	175	200	250
Г	156	186	236	286	336	386	436	536
D	130.5	145.5	170.5	195.5	220.5	245.5	270	320.5
×	260	310	385	465	545	620	200	860
The require	ie required clearance height: $H_F = H + 35$ mm	height: <i>H<sub>F</sub></i> =	:H + 35mm	I (with 1.5kg	n (with 1.5kg/m fill weig	Ê		

12 0.0

20

40 , FL<sub>B</sub> [m]

0 0.5 1.0 1.5 Unsupported length FL<sub>a</sub> / F Travel S [m] 0 1.0 2.0 3.0



#### Aluminium support tray

- Corrosion-resistant and seawater-resistant aluminium rails with adjustable width
   Noise-reducing glide strip integrated as standard
   Easy installation and connection of the e-tube
   Open design dirt and debris fall through
   More information > From page 1362





<u>G</u>US

∋u/R2.26

R2i.26 R2.26		mended for	t both ends, partial shelf.	3210.175 3210.175 3210.200		453	
e-tubes   Series R2i.26·R2.26   Accessories	3200X	<ul> <li>Locks securely in preset increments</li> <li>Notch separator for exact positioning. Recommended for side-mounted applications.</li> <li>5.1</li> <li>Horizontal separation</li> </ul>	Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf. 0.X	unassembled         assembled         assembled	eth tany point ad space conditions rews	OUS: 3D CAD, configurators, service life calculation and more www.igus.eu/R2.1	
l <mark>es R2i.26</mark> ·R ase cable servic	R2.26.5.1 cessary. tted every 2 <sup>rd</sup> e-tube link	Notch separator for notched crossbar urassembled R2.26.5 assembled R2.26.5.1	lockable unassembled 3200.X assembled 3210.X	ad assembled X [mm] 3210.050 115 3210.075 125 3210.100 150	ing bracket or placed at ing bracket or placed at separation, for restricte ssemble without any so on ▶ From page 1424	s, service life calcul	
R2.1 e-tubes   Series R2i.26·R2.26	No lateral gap to side links necessary.			X [mm]         unassembled           050         3200.050           075         3200.075           100         3200.100	Separator with integrated strain relief teeth ● Can be integrated into the mounting bracket or placed at any point ● Combines strain relief and interior separation, for restricted space conditions ● Strain relief separator is easy to assemble without any screws Part No. R2.26.Z - more information > From page 1424	D CAD, configurator	
R2.1 e- Interior se	No lateral			Shelves width = X [mm]	Separat Can be ir Combine Strain reli	e O O O O	
cking		18%	۵ استیا		<b>Order example</b> Pre-assembled Full set Width index Series <b>. The complete</b>	in the second se	
<b>2.26</b> Accessories m any side   Pivoting   Locking		g end (outer link)	and standing applications A B	(mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm)	X		
<b>2.26</b>   Accessories m any side   Pivoting   Lo		Movi	ions standing a		R2.260.050.12.4	56	
	× ~ <sup>©</sup>		blications and stand		s are a	3u/R2.26	

www.hennlich.cz/lin-tech

HENNLICH -ŽIJEME TECHNIKOU

HENNLICH LIN-TECH o.z. LIN-TECH HENNLICH s.r.o. Českolipská 9, 412 01 Litoměřice

Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz



HENNLICH LIN-TECH



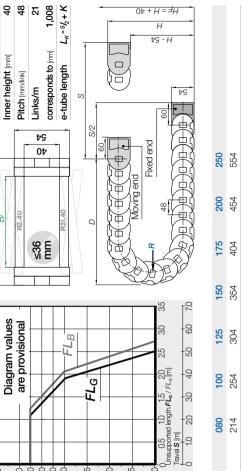


Unsupported applications | Short travels



B B

Fill weight (kg/m)



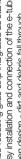
CC C	080	100	125	150	175	200	250
г	214	254	304	354	404	454	554
٩	179	199	224	249	274	299	349
×	350	415	490	570	650	725	885
The required c	<u>_</u>	sarance height: $H_F = H + 40$ mm (with 2.0kg/m fil	<b>1</b> + 40mm (v	vith 2.0kg/n	n fill weight)		



le 130







455

QUS 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/R2.1

<u>G</u>US

∋u/R2.40







1.5-1.0-

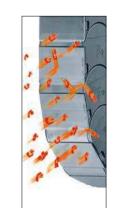
2.0-

h sides
rom both
radius, fro
ter rac

2

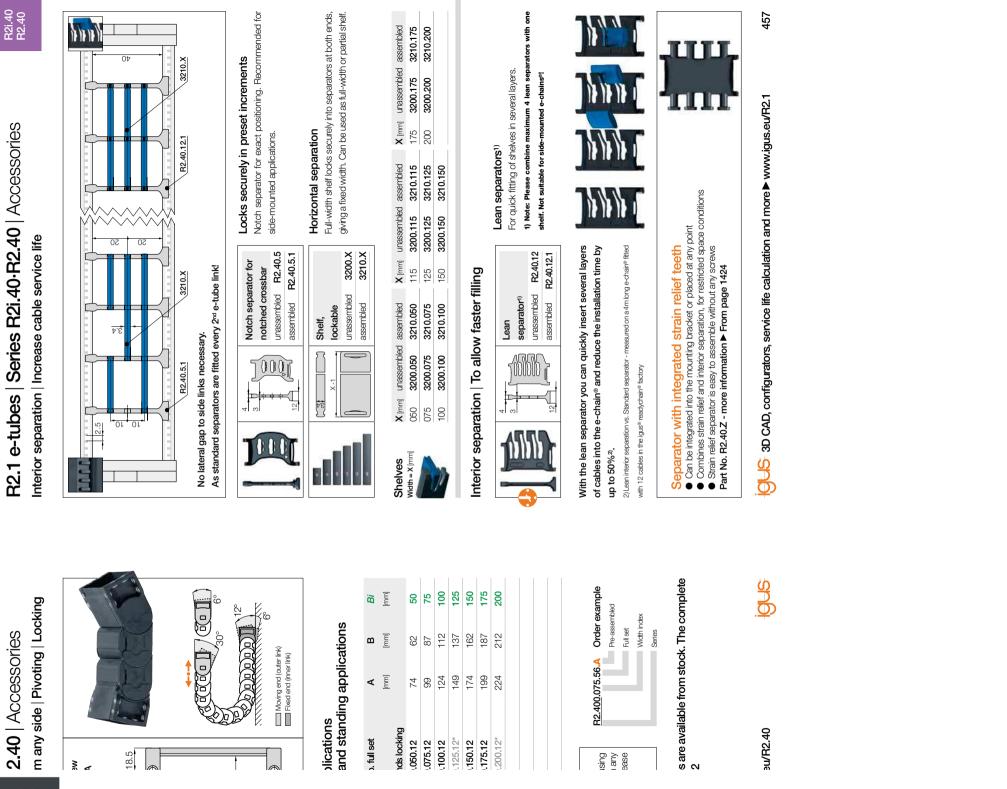
0.5-

and radii	R2i.40	R2.40
	[kg/m]	[kg/m]
25   150   175   200   250	≈ 1.25	≈ 1.25
25   150   175   200   250	≈ 1.50	≈ 1.50
25   150   175   200   250	≈ 1.75	≈ 1.75
25   150   175   200   250	≈ 2.00	≈ 2.00
25 150 175 200 250	≈ 2.25	≈ 2.25
25   150   175   200   250	≈ 2.50	≈ 2.50
25   150   175   200   250	≈ 2.75	≈ 2.75





o.z. LIN-TECH HENNLICH s.r.o. Českolipská 9, 412 01 Litoměřice



**HENNLICH** -ŽIJEME TECHNIKOU HENNLICH LIN-TECH

32.1 e-tubes | Series R2i.40-R2.40 | Accessories

2.40 | Accessories

o.z. LIN-TECH HENNLICH s.r.o. Českolipská 9, 412 01 Litoměřice

Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz



LIN-TECH



**HENNLICH -**

ŽIJEME TECHNIKOU

er radius, from both sides ter radius, from both sides

Unsupported length  $FL_a/FL_a$  [m] Travel S m

Diagram values

are provisional

FLG

1.5-1.0-0.5-2

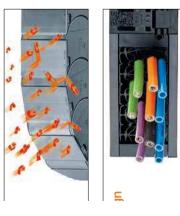
2.0-2.0-

40

and radii	R2i.48	R2.48
	[kg/m]	[kg/m]
0   175   200   225   250   300	≈ 1.92	≈ 1.92
0 175 200 225 250 300	≈ 2.23	≈ 2.23
0 175 200 225 250 300	≈ 2.55	≈ 2.55
0 175 200 225 250 300	≈ 2.74	≈ 2.74
0 175 200 225 250 300	≈ 2.86	≈ 2.86
0 175 200 225 250 300	≈ 3.18	≈ 3.18
0 175 200 225 250 300	≈ 3.49	≈ 3.49
0 175 200 225 250 300	≈ 3.81	≈ 3.81
0 175 200 225 250 300	≈ 4.05	≈ 4.05
0 175 200 225 250 300	≈ 4.44	≈ 4.44

o.z. LIN-TECH HENNLICH s.r.o.

Českolipská 9, 412 01 Litoměřice



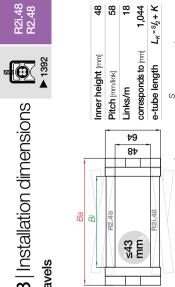
Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz



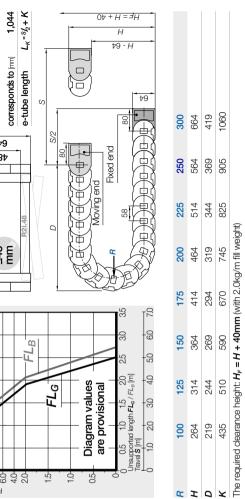
∋u/R2.48

QUS 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/R2.1

R2.1 e-tubes | R2i.48·R2.48 | Installation dimensions Unsupported applications | Short travels



Fill weight (kg/m)



419 1060

905

825



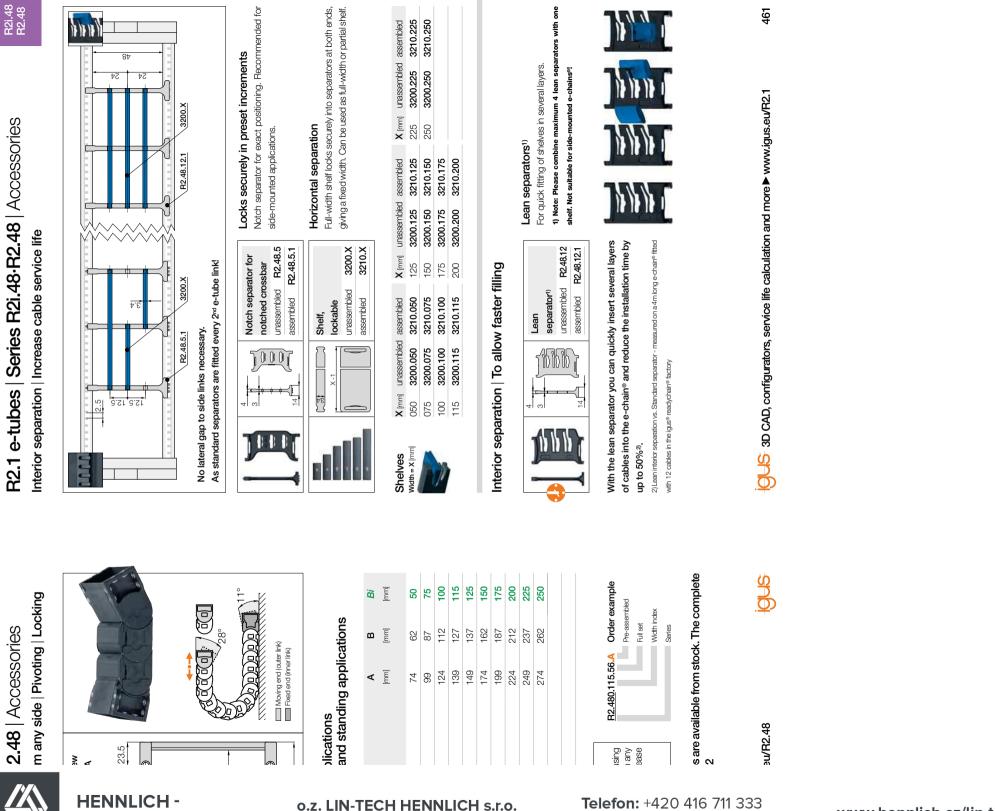












Českolipská 9, 412 01 Litoměřice

HENNLICH -ŽIJEME TECHNIKOU

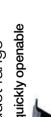
E-mail: lin-tech@hennlich.cz



LIN-TECH

75







4

12-11-10-

Fill weight [kg/m]

8.0-6.0-



er radius, from both sides

		R2.75
		[kg/m]
00 250	<b>:00   250  </b> 300*   350*   400*	≈3.175
00 250	250 300* 350* 400*	≈ 3.672
00 250	250 300* 350* 400*	≈ 4.012





ŽIJEME TECHNIKOU

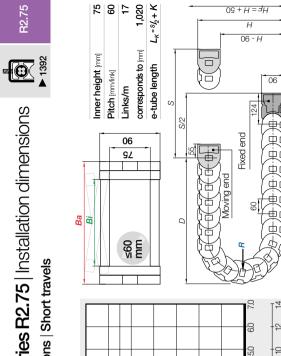
o.z. LIN-TECH HENNLICH s.r.o. Českolipská 9, 412 01 Litoměřice

Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz

www.hennlich.cz/lin-tech



R2.75



FLB

Ġ E

4.0

2.0-

	0 2.0 4.0 6.0 8.0	4.0	-03	68	10-	14				06
œ	130	0	150	0	200	250	300*	350*	400*	
н	350	0	390	0	490	590	069	200	890	
٩	265	ß	285	10	335	385	435	485	535	
×	530	õ	595	10	750	910	1,065	1,220	1,380	
The r	equired clear	rance h	neight:	. H <sub>F</sub> =	:H+50m	m (with 3.C	The required clearance height: $H_F = H + 50mm$ (with 3.0kg/m fill weight)	rt)		
*Radius	*Radius available upon request. Please consult igus® for delivery time.	request. F	Please c	consult	igus® for deli	very time.				

, FL<sub>B</sub> [m] G

2.0 3.0 length **FL**<sub>a</sub> / -0

8 Travel S [m]



#### Aluminium support tray

- Corrosion-resistant and seawater-resistant aluminium rails with adjustable width
   Noise-reducing glide strip integrated as standard
   Easy installation and connection of the e-tube
   Open design dirt and debris fall through
   More information > From page 1362





SUD

-	_
HEN	
LIN-	TECH

#### m any side | Pivoting Accessories

≥

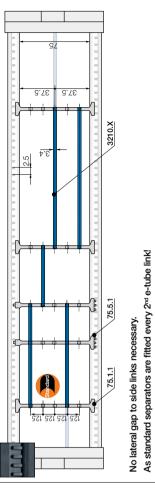
**HENNLICH** -

**ŽIJEME TECHNIKOU** 



# R2.1 e-tubes | Series R2.75 | Accessories







Pivoting angle

Moving end (outer link)

₹∥ ∎⊕

- for any application

<b>Standard - for any application</b> Separator with a wide base for maximum holding force.	Locks securely in preset increments Notch separator for exact positioning. Recommended for side-mounted applications.	Horizontal separation Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.
Standard separator, wide base unassembled 75.1.1 assembled	Notch separator for notched crossbar urassembled 75.5.1 assembled	Shelf, lockable unassembled 3200.X assembled 3210.X
°, ± , ±		
	)( (	

Shelves	Width = X [mm]	N
	Width	6/*

Order example

R2.750.111.12.A

beld

Pre-asse Full set

tsing 1 any 3ase

Width index

Seri

assembled	3210.175	3210.200	
X [mm] unassembled assembled	3200.175 3210.175	3200.200	
X [mm]	175	200	
	3210.115	3210.125	3210.150
X [mm] unassembled assembled	3200.115 3210.115	3200.125	3200.150
X [mm]	115	125	150
	3210.050	3210.075	3210.100
X [mm] unassembled assembled	3200.050	3200.075	3200.100
X [mm]	050	075	100

111 163 200 [uu B

mm] 127 179 216

A [141] [141] [193] [230] [200

o.z. LIN-TECH HENNLICH s.r.o.

Českolipská 9, 412 01 Litoměřice

ш

olications

Telefon: +420 416 711 333 E-mail: lin-tech@hennlich.cz

s are available from stock. The complete 2

www.hennlich.cz/lin-tech

SUD

QUS 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/R2.1